(841) Associate in Science

Bachelor's degree programs in Computer Science encompass two distinct emphases: an information systems (or business) emphasis and a technical emphasis. While either emphasis will prepare a student for a computing career, there are important differences in the context of the work to be performed, the types of problems to be solved, and the types of systems to be designed and managed. For both emphases, starting positions include such titles as programmer, programmer-analyst, and network analyst. This requires an understanding of both the organizational context of the problem and the technologies, methodologies, and tools available in a variety of business applications. Be sure to see a Computer Science advisor to select the appropriate emphasis for you.

Information Technology Track

The Information Technology (or business) track focuses on the use of computer technology and information management methods to solve business problems. This requires an understanding of both the organizational context of the problem and the technologies, methodologies, and tools available in a variety of business applications.

Baccalaureate schools may have multiple computing degree programs, often located in different departments, which are based on the Computer Science recommendations. Consult the baccalaureate school you are considering as a transfer school to determine the department location and specific requirements for the specific major program in which you are interested.

Students who have already chosen the university to which they plan to transfer should consult that institution's catalog or department advisor and an SVCC academic advisor in planning their program. Individualized articulation sheets for some universities are available in the advising office.

Program Contacts at Sauk Valley Community College
Academic Advising, 815/835-6354;
Dr. Mary Lou Kidder, Professor of Computer Information Systems, 815/835-6358;
Kevin Megill, Associate Professor of Computer Information Systems, 815/835-6251;
Valarie Wittman, Associate Professor of Computer Information Systems, 815/835-6388.

Computer Science -Suggested Program

Suggested Program

First Semester - Sem/Hrs: 17-18

- ACC 101 - Financial Accounting 4 Semester hour(s)
- CIS 101 - Fundamentals of Computer Information Systems 3 Semester hour(s)
- CIS 150 - Fundamentals of Business Computer Programming 3 Semester hour(s)
- ENG 101 - Composition I 3 Semester hour(s)
- FYE 101 - First Year Experience 1 Semester hour(s)
- MAT 203 - Calculus and Analytic Geometry I 4 Semester hour(s)
- or
- MAT 220 - Finite Mathematics 3 Semester hour(s)
- or
- MAT 221 - Calculus for Business and Social Sciences 3 Semester hour(s)

Second Semester - Sem/Hrs: 16-17

- Life Science 3-4 Semester hour(s)

- ACC 102 - Managerial Accounting 4 Semester hour(s)
- BUS 214 - Business Statistics 3 Semester hour(s)

- * CIS 207 - C++ Programming 3 Semester hour(s)
- ENG 103 - Composition II 3 Semester hour(s)

Third Semester - Sem/Hrs: 18

- Fine Arts 3 Semester hour(s)
- Social/Behavioral Science 3 Semester hour(s)

- CIS 208 - C++ Programming II 3 Semester hour(s)
- ECO 211 - Principles of Economics 3 Semester hour(s)
- MAT 230 - Discrete Mathematics 3 Semester hour(s)
- SPE 131 - Introduction to Oral Communication 3 Semester hour(s)

Fourth Semester - Sem/Hrs: 15-16

- Humanities 3 Semester Hours
- Fine Arts 3 Semester hour(s)
- Personal Development 3 Semester hour(s)
- Physical Science 3-4 Semester hour(s)

- ECO 212 - Problems of Economics 3 Semester hour(s)

Total Credits: 67-68

Footnote

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*CIS 150 or previous programming experience required as a prerequisite for CIS 207.

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